

## Piatt's Oval

by Arya Akhavan (April 2015)

Angles for R.I. = 1.540

41 + 12 girdles = 53 facets

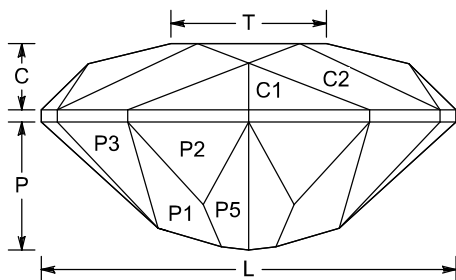
2-fold, mirror-image symmetry

96 index

L/W = 1.500 T/W = 0.563 U/W = 0.440

P/W = 0.462 C/W = 0.239

Vol./W<sup>3</sup> = 0.436



## PAVILION

P1	42.00°	05-43-53-91	Cut to centerpoint.
P2	44.31°	03-45-51-93	Meet at culet.
G1	90.00°	03-45-51-93	Level girdle.
G2	90.00°	07-41-55-89	Meet P1, P2, G1
P3	42.50°	07-41-55-89	Level girdle.
P4	42.82°	21-27-69-75	Meet P1, P3
P5	43.00°	02-46-50-94	Meet P2, G1
G3	90.00°	21-27-69-75	Level girdle.

## CROWN

C1	60.94°	03-45-51-93	Set girdle width.
C2	40.00°	07-41-55-89	Level girdle.
C3	45.00°	21-27-69-75	Level girdle.
C4	30.44°	12-36-60-84	Meet G2, G3, C2, C3
C5	20.82°	96-48	Meet C1, C2
C6	13.73°	24-72	Meet C3, C4
T	0.00°	Table	Meet C2, C4, C5

When I came back from Tanzania back in 2011, I ended up cutting a tanzanite for my best friend's mom. She loved it, and wears it all the time. She recently lost an amethyst out of another ring, and so I designed this to be a unique and much more interesting "oval" that I could use as a replacement for that same setting. Designed for medium amethyst, but works in materials from quartz to peridot (RI = 1.54 - 1.65) with no changes.

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